

Construction Advisory

CA 2006-16
October 17, 2006

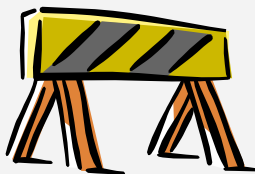
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Index: Pavement, Concrete

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Construction Advisory should
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BJO:CJB

Portland Cement Concrete (PCC) Pavement Joint Sealing

This construction advisory serves as notification of an acceptable alternate to the requirements of Section 602.03 Construction, R. Cleaning Joints and Section 602.03 Construction, S. Sealing Joints of the *2003 Standard Specifications for Construction*. The following procedure for cleaning and sealing joints is allowed for the remainder of this construction season, if the project engineer and the contractor recommend and agree to it:

1. Saw reservoir for joint.
2. Flush slurry from the joint with water immediately after sawing.
3. Blast clean all joint faces with an oil-free dry abrasive, or water having a pressure of 1500- to 3000 psi.

4. Allow the joint to air dry (dry to the touch with no visible signs of surface moisture)
5. Blast clean all joint faces with a jet of compressed air, free of water and oil, having a minimum pressure of 90 psi.
6. Seal the joint.

The temperature of the concrete shall be a minimum of 40 °F and dry to the touch with no visible signs of surface moisture in order to place the sealant. Artificial heat using an open flame is not allowed. Use of indirect heated air will be allowed when the pavement has been in place for three days. The method and equipment used for the heating operation must be demonstrated to and approved by the engineer prior to use. The artificial heat shall not produce a surface temperature on the concrete

pavement in excess of 180°F.

This method may be allowed in lieu of the contractor providing a temporary seal for the winter due to temperature limitations. If this method is used, there will be no waiver of warranty requirements for "Joint Sealant failure".